

ABSTRACT OF THE DISCLOSURE

A communication node which can reliably transfer a packet with a payload including data having error resistance in radio environments is disclosed. A packet to be transmitted is divided into segments to form a plurality of packet segments. From among a plurality of error correction schemes that have been prepared in advance, the scheme to be employed is selected for each of the packet segments in accordance with predetermined criteria, and the selected error correction scheme is applied to each packet segment. Subsequently, the processed packet segment is transmitted to the network. Packet segments are received from the network. From among a plurality of error correction schemes prepared in advance, the scheme to be employed is selected for each of the received packet segments based on predetermined information contained in each received packet segment, and the selected error correction scheme is applied to the received packet segment. An original packet is formed from the plurality of processed packet segments.